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Serial No. 09/046,833

Filed: March 24, 1998

Page 3 [Amendment Under 37 C.F.R. §1.115 (In Response To The
January 29, 2005 Office Action) – August 19, 2005]RECEIVED
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FEB 12 2007**Amendments to the Claims:**

This listing of claims will replace all prior versions, and listings, of claims in the application:

Listing of Claims:

Claims 1-90 (Canceled).

91. (New) A packaging cell line for propagating a viral vector independent of a helper virus, said viral vector comprising a nucleic acid component and at least two different non-nucleic components, wherein one of said non-nucleic acid components has a tropism for said cell line and the other non-nucleic acid component has a tropism for a target cell which is different from said cell line, said nucleic acid component and said non-nucleic acid components being capable of forming a specific complex or complexes, wherein said sequence or sequences for the viral vector nucleic acid component is stably integrated in the genome of said cell line, and said sequence or sequences for the non-nucleic acid components of said viral vector are introduced into said packaging cell line by transient expression, episomal expression or stably integrated expression.

92. (New) The packaging cell line of claim 91, wherein said viral vector comprises a retrovirus or retroviral sequences.

93. (New) The packaging cell line of claim 91, wherein said viral vector nucleic acid component comprises nucleic acid sequences derived from genomic DNA, cDNA, or fragments of either or both of the foregoing.

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94. (New) The packaging cell line of claim 91, wherein said packaging cell line and said target cell are from different species.

95. (New) The packaging cell line of claim 94, wherein said packaging cell line is a non-human animal species and said target cell is human.

96. (New) The packaging cell line of claim 95, wherein said non-human animal species is murine.

97. (New) The packaging cell line of claim 91, wherein said target cell comprises T cells, liver cells, bone marrow cells, epithelial cells, or a combination of any of the foregoing.

98. (New) The packaging cell line of claim 91, wherein the viral vector produced from said packaging cell line codes for a protein of interest that is expressed in said target cell.

99. (New) The packaging cell line of claim 91, wherein the viral vector produced from said packaging cell line codes for an antisense RNA that is transcribed in said target cell.

100. (New) The packaging cell line of claim 91, wherein the viral vector produced from said packaging cell line codes for a protein of interest that is expressed in said target cell and for an antisense RNA that is transcribed in said target cell.

101. (New) The packaging cell line of claim 99, wherein said antisense RNA is complementary to an mRNA coding for a undesirable protein in said target cell.

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102. (New) The packaging cell line of claim 100, wherein said antisense RNA is complementary to an mRNA coding for a undesirable protein in said target cell.

103. (New) The packaging cell line of claim 99, wherein said antisense RNA is part of a chimeric RNA molecule that comprises sequences from small nuclear RNAs (snRNAs).

104. (New) The packaging cell line of claim 100, wherein said antisense RNA is part of a chimeric RNA molecule that comprises sequences from small nuclear RNAs (snRNAs).

105. (New) The packaging cell line of claim 91, wherein said antisense RNA is either (i) complementary to an mRNA coding for a undesirable protein in said target cell or (ii) is part of a chimeric RNA molecule that comprises sequences from small nuclear RNAs (snRNAs).

106. (New) The packaging cell line of claim 103, wherein said snRNAs comprises U1, U2, U3, U4, U5, U6, U7, U8, U9, U10 or U11.

107. (New) The packaging cell line of claim 104, wherein said snRNAs comprises U1, U2, U3, U4, U5, U6, U7, U8, U9, U10 or U11.

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108. (New) The packaging cell line of claim 105, wherein said snRNAs comprises U1, U2, U3, U4, U5, U6, U7, U8, U9, U10 or U11.

109. (New) The packaging cell line of claim 91, wherein said nucleic acid component comprises sequences derived from a virus that has a tropism to said cell line.

110. (New) The packaging cell line of claim 91, wherein said nucleic acid component comprises sequences derived from a virus that has a tropism to said target cell.

111. (New) The packaging cell line of claim 91, wherein said nucleic acid component comprises sequences derived from a virus that has a tropism to said cell line and sequences derived from a different virus that has a tropism to said target cell.

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